Astro Offshore
An Adani Group Company



ASTRO CYGNUS

OCEAN TOWING TUG / ANCHOR HANDLING / OFF-SHORE SUPPLY

GENERAL

Built:	China
Ship Builder:	Jiangsu islands shipbuilding industry Co., ltd
Registry:	Singapore
Call Sign:	9V9885
IMO Number:	9669017
Year Built:	2014
Class:	BV
Classification:	I *HULL* MACH Tug Unrestricted Navigation

PRINCIPAL PARTICULARS

Length OA:	55.80m
Length Waterline:	50.95m
Length (LBP):	48.30m
Breadth Moulded:	15.00m
Depth Moulded:	7.00m
Draft (Design):	5.51m
Deadweight:	1,460.84T
Bollard Pull:	60.10T
Gross Tonnage:	1,743T
Net Tonnage:	522T

PERFORMANCE

Max Speed:	10.0 Knots

MACHINERY

Main Engine:	2 x 1,920kW YANMAR 6EY26W
Generators:	CUMMINS 2 x 265kW / 800kW
	NINGBO N6210 1 X 882KW
Bow Thruster:	1 unit / RFCT 130 (550KW) / 737.6 BHP
Steering Gear:	2 x Electro-hydraulic type
Propulsion:	2 x Fixed pitch propeller
Rudders:	2 x balanced rudder

NAVIGATION

Radars:	2 x Furuno RDP-150 & MV201CR
AIS:	1 x Furuno FA-150
GPS Navigator:	2 x Furuno GP-150 & NSR NGR-3000
Gyro Compass:	1 x Anschutz Standard 20 Compact
Speed Log:	1 x Furuno DS-80 Doppler Speed Log
Echo Sounder:	1 x Furuno Navigational Echo Sounder FE - 700
Magnetic Compass:	1 x Lilley & Gillie MK2000S
NAVTEX:	1 x Furuno NX-700A
Auto Pilot:	1 x Highlander HLD-FV200

ACCOMMODATION

One Man Cabins:	11
Two Man Cabins:	4
Total POB:	19
Medical Bay:	1

DECK EQUIPMENT

Deck Space:	295m²
Deck Strength:	5.0T / m²
Deck Cargo:	800T
Deck Crane:	1 x 2T @ 10m
AH / Towing Winch:	Upper drum - Φ56mm x 1000m Lower drum - Φ56mm x 850m Remote control in wheelhouse
AH / Tow Pull (1st Layer):	75T / 5m / min 25T / 15m / min
Stern Roller:	1 x Set 200MT SWL
Shark Jaws:	1 x Set 200MT SWL
Tugger Winch:	1 x 5T @ 0-15m / min / 1 x 10 T @ 0-12m/ min
Windlass:	1 x Electro-hyd. For Φ34mm rated 5
Anchors:	2 x 440m 1,520 KG hhp JYN anchor
DO :	608 M3

CAPACITIES

Fresh Water:	255.60m³
Mud Pump:	N/A
Ballast:	649.22 mT (ballast exempted)
Freezer:	9.80m³

DISCHARGE RATES

Fuel Oil:	N/A
Fresh Water:	N/A
Type of Fuel:	D.O. for M.E. AND for Aux. E.

COMMUNICATION

GMDSS Area:	Sea Area A1 / A2 / A3
Inmarsat C:	1 x Furuno Felcom 15
MF / HF:	1 x Furuno FS-2570
EPIRB:	1 x NSR NEB- 2000 C
SART:	2 x Mcmurdo KLS-S4-1

SAFETY EQUIPMENT

Fire Pump:	1 x 65m³ / hr
Immersion Suit:	26
Search Lights:	4
Floodlights:	8
Parachute Distress:	12
EEBD:	7

RESCUE EQUIPMENT

Rescue Boat:	1 (Diesel)
Life Raft:	4 x 20 men
Life Jackets:	37

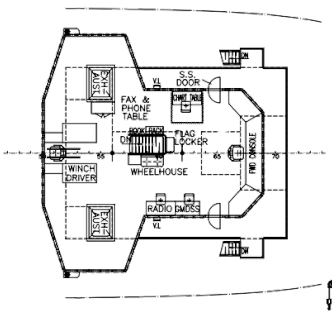
PRINCIPAL DIMENSIONS

LENGTH O.A (MLD. HULL)	55.8M
LENGTH PERPENDICULAR	48.3M
BREADTH MLD.	15.00M
DEPTH MLD.	7.00M
DESIGN DRAFT	5.50M
MAIN ENGINE POWER	2x2500 HP @ 750 RPM
BOLLARD PULL	ABT. 60 TONNES
COMPLEMENT	19 MEN
FUEL OIL	ABT. 590 M^3
FRESH WATER	ABT. 250 M^3

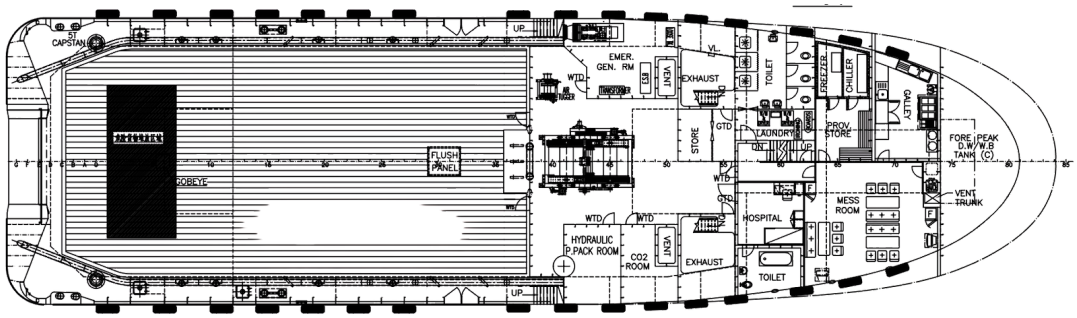
★CSA Tug, Offshore Tug/ Supply Ship

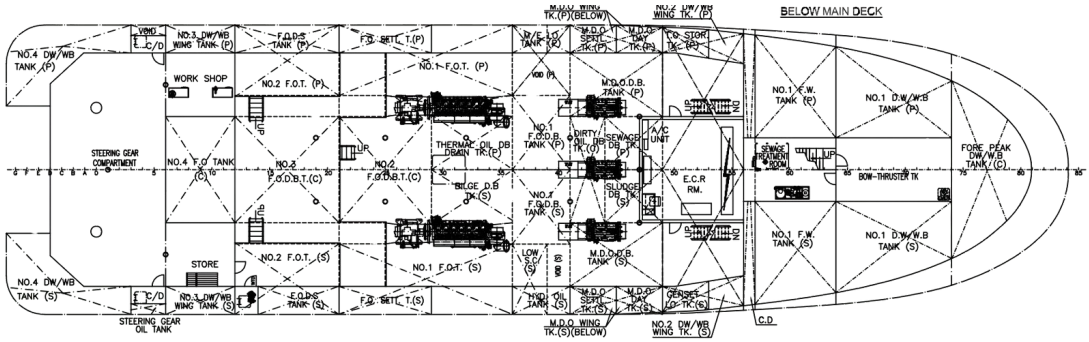
★CSM

BRIDGE DECK

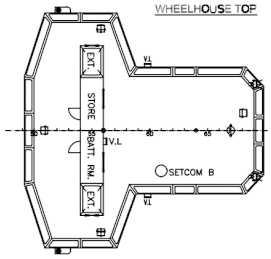


OUTBOARD PROFILE

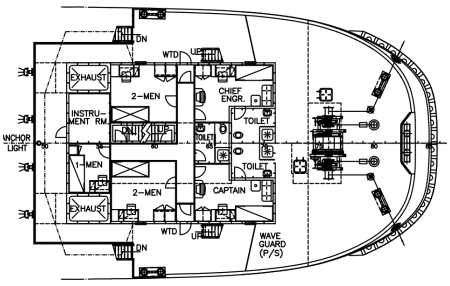




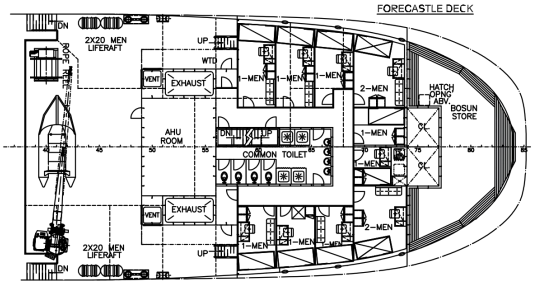
WHEELHOUSE TOP



UPP. FOC'SLE DECK



FORECASTLE DECK



All particulars are believed to be correct but without guarantee